



#10/LTYBON
02-04-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
ANTONIUS H.M. HOLTSLAG
SERIAL NO.: 09/268,254
FILED: March 15, 1999

Atty. Docket
PHN 17,049
GROUP ART UNIT: 2673
EXAMINER: V. Kovalick

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DISPLAYING VIDEO ON A PLASMA DISPLAY PANEL

Commissioner for Patents
Washington, D.C. 20231

Sir:

RESPONSE UNDER 37 C.F.R. 1.116

This is in response to the Office Action mailed November 27, 2001, in which the Examiner finally rejected claims 1-5 under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 4,562,463 to Lipton.

Applicant traverses the above rejection and offers the following explanation.

The Lipton patent discloses a stereoscopic television system with field storage for sequential display of right and left images. As noted by the Examiner, the Lipton patent contemplates the use of the invention therein with not only cathode ray tube (crt) displays, but also may be "used in conjunction with any one of a number of various display technologies such as liquid crystal, light emitting diode, plasma display panels, or various other modern display techniques." (col. 14, lines 48-59). This should be

quite evident since Lipton is treating the crt as merely a display device, the invention in Lipton being in the processing of the video signals that are to be applied to the display device. Hence, Lipton does not distinguish in how any of the above-noted display devices are driven.

As noted in Applicant's last response, Applicant believes that the Examiner is confusing image lines in the video signal with display lines in the plasma display panel (PDP). In particular, as indicated in claim 1, the video signal has video lines in video field periods. This is the electrical signal that is to be displayed. However, the plasma display panel has display lines arranged in a first and a second display field. In particular, as described in the Substitute Specification on page 2, paragraph [0003], "An interlaced video signal has a frame period with a first and a second video field period. Usually, the odd lines of the video signal form the first video field, And the even lines of the video signal form the second video field." When this type of signal is applied to a crt, the synchronizing signals accompanying the video line signals are used to control the scanning of electron beams to apply the video lines of the video signal to the phosphors on the face plate of the crt. However, this technique must be adjusted when the video signal is to be displayed on a plasma display panel. A plasma display panel is formed by a plurality of plasma channels each having two spaced electrodes. Each of these

plasma channels forms a "display line" of the plasma display panel. In order for the video signal to be displayed, the synchronizing signals are used to "address" the appropriate plasma channel and the corresponding video line signal is applied to that appropriate plasma channel.

In claim 1 of the subject application, a distinction is made between video lines of the video signal and display lines of the plasma display panel. In particular, during a time period which is longer than the video field period, the video data signals of the video lines are supplied to the display lines of one of the display fields. Then during another of the time periods, the video data signals of the video lines are supplied to the display lines of the other one of the display fields. As noted in the Substitute Specification at paragraph [0027] on page 8, line 25 to page 9, line 2, this time period may be one hour. As such, the video lines of the video signal are supplied to only the display lines of one of the display fields for one hour, and then the video lines of the video signal are supplied to only the display lines of the other of the display fields for one hour. As noted in the Substitute Specification at paragraph [0010] on page 4, this is done so that the phosphors in the odd and even display lines (i.e., the plasma channels) of the plasma display channel age substantially equally.


Applicant submits that the Lipton television system only deals with processing of the video signal and does not address how

this video signal is to be applied to the different display lines (i.e., plasma channels) of a plasma display panel.

In view of the above, Applicant believes that the subject invention, as claimed, is not rendered obvious by the prior art, and as such, is patentable thereover.

Applicant believes that this application, containing claims 1-5, is now in condition for allowance and such action is respectfully requested.

Respectfully submitted,

By 
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CERTIFICATE OF MAILING

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On January 4, 2002

By 



2673 AF

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In re Application of
ANTONIUS H.M. HOLTSLAG

Atty. Docket
PHN 17,049

Serial No.: 09/268,254

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Sir:

Enclosed is an amendment in the above-identified
application.

[X] No additional fee is required.

[] The fee has been calculated as shown below.

CLAIMS AS AMENDED					
	Claims remaining after amendment	Highest number previously paid for	Number extra	Rate	Additional Fee
Total Claims	5	Minus 20 ¹ =		X \$18 =	\$
Independent Claims	3	Minus 3 ² =		X \$84 =	\$
Multiple Dependent Claims, if any. If not previously paid, \$280.					\$
Total Additional fee for this amendment =					\$

¹If less than 20, enter 20. ²If less than 3, enter 3.

Please charge any fees which may be required, except the
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14-1270.

Edward W. Goodman, Reg. 28,613
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